MOBILE IN A CONTAINERS WORLD

A Strategy for Modern App Dev with a Mobile Twist

John Frizelle
Mobile Platform Architect
8th May 2018
@johnfriz | @RedHatMobile | @RedHatNews
AGENDA

- WHY - Modern App Dev
- WHO - Personas & Needs
- WHAT - Building Blocks
- HOW - Technology Stack
Digital Transformation

“Why”
From Systems of Record

Siloed Data | Behind Firewall | Waterfall Development
Mobile: a Catalyst for Digital Transformation
Digital Transformation: a Catalyst for Modern App Dev
Modern App Dev Personas & Needs

“Who”
Business Sponsor
Project Manager
Front End Developer
Back End Developer
System Administrator
Support Agent
End Users
CONCLUSIONS

A.

B.

C.

Mobile is part of something much bigger
Modern App Dev Building Blocks

“What”
Carousel.prototype.getItemsByOrder = function (direction, active) {
  var delta = direction == 'prev' ? -1 : 1
  var activeIndex = this.getActiveIndex(active)
  var itemIndex = (activeIndex + delta) % this.items.length
  return this.items.eq(itemIndex)
}

Carousel.prototype.to = function (pos) {
  var active = this.$active = this.$element.find('.item.active')
  var activeIndex = this.getActiveIndex(active)
  if (activeIndex == pos) return
  if (activeIndex > pos) return
  if (activeIndex < pos) pos = activeIndex
  var current = this.$active
  this.$active = this.$element.find('.item').eq(pos)
  current.slide(pos > activeIndex ? 'next' : 'prev', this.$items.eq(pos))
}

Carousel.prototype.pause = function (e) {
  if (this.$element.find('.next, .prev').length && $support.transition) {
    this.$element.trigger($support.transition.end)
    this.$element.trigger($support.transition.end)
  }
}

array_multisort($sort_order, SORT_ASC, $results);
Integrations

Backend | API Mapping | Message Queues
Analytics

Installs | Startups | Active Users | Usage Patterns | A/B Testing
Mobile is part of something much bigger
Technology Stack

“How”
Linux Containers
OpenShift
Open Service Broker API
Mobile Services

- 3Scale
- AeroGear UPS
- Android App
- Cordova App
- FeedHenry Sync Server
- iOS App
- Keycloak
- Metrics
- Mobile CI/CD

Security | Data Synchronization | Push Notifications | API Gateway | Build Automation | Metrics
Security & Identity Management

Data Synchronization

Offline First | 3 Way Sync | Collision Detection & Management | Differential Sync
Push Notifications
Build Automation

iOS & Android | Native & Hybrid | Jenkins Pipelines | Containerized Builds
Metrics
Join Us - github.com/aerogear
THANK YOU

plus.google.com/+RedHat
linkedin.com/company/red-hat
youtube.com/user/RedHatVideos
facebook.com/redhatinc
twitter.com/RedHat

Images may be subject to copyright